



**RE: Coal Only Operating Guidelines for Low NOx Burners**  
Londerville, Steve to: 'Kraig K Raiber'  
Holds:13-GG USEPA Denial of Minnesota State Implementation Plan

04/03/2012 11:24 AM

Kraig,

I will try to call now. Else, I am in all week except Friday. Then you can call me. 3 hour time diif.

Sbl

From: Kraig K Raiber [mailto:KKRaiber@uss.com]  
Sent: Tuesday, April 03, 2012 7:07 AM  
To: Londerville, Steve  
Subject: Coal Only Operating Guidelines for Low NOx Burners

Steve,

I was asked about operating guidelines for burning 100% Coal on our Kiln Low NOx Burners and wanted to get your thoughts on this subject. Apparently they lost the gas flow on Line 6 a month ago while they were burning a Coal/Gas Mix. They kept the plant running on coal until they were able to get the gas flame back, but they had questions about how they should operate under these conditions. Is it OK to just run coal on these burners? I told them that the gas gun should be retracted immediately to protect the gas gun, but then they had questions on how to relight the gas gun. I'm assuming the gas gun needs to be in the gas firing position when lighting, so I'm not sure procedurally speaking how they would go about relighting the gas burner while burning 100% Coal. How long can we run with the gas gun in the gas firing position with no gas flow? If you could give me a call sometime, I would like to discuss these questions with you.

Thanks,

Kraig Raiber  
Process Engineer  
US Steel - Minntac  
Phone: (218) 749-7399  
Fax: (218) 749-7265  
kkraiber@uss.com